Identification_Information:
  Citation:
    Citation_Information:
      Originator: A.S. Jayko
      Originator: R.E. Wells
      Publication_Date: 2001
      Title: Reconnaissance Geologic Map of the Dixonville 7.5' Quadrangle,Oregon
      Edition: 1.0
      Geospatial_Data_Presentation_Form: vector digital data
      Series_Information:
        Series_Name: U.S. Geological Survey Open File Report
        Issue_Identification: Open File Report 01-226
      Publication_Information:
        Publication_Place: Menlo Park, CA
        Publisher: U.S. Geological Survey
      Online_Linkage: http://geopubs.wr.usgs.gov/open-file/of01-226
  Description:
    Abstract: This digital map database, compiled from new mapping by the authors, represents the general distribution of bedrock and surficial deposits of the Dixonville 7.5 minute quadrangle along the southeastern margin of the Oregon Coast Range and its tectonic boundary with Mesozoic terranes of the Klamath Mountains. Together with the accompanying text files as PDF (geol.pdf), it provides current information on the geologic structure and stratigraphy of the area covered. The database delineates map units that are identified by general age and lithology following the stratigraphic nomenclature of the U.S. Geological Survey. The scale of the source maps is 1:24,000. The spatial resolution (scale) of the database is 1:24,000 or smaller.

    Purpose: This study was undertaken as part of a contribution to 1:100,000 mapping of the Roseburg 30' x 60' quadrangle (Wells, et al., 2000). The purpose of this mapping was to assess the oil and gas potential of the Tertiary Tyee basin (see Ryu, et al., 1996). This database and accompanying plot file depict the distribution of geologic materials and structures at a large (1:24,000) scale. The report is intended to provide geologic information for the study of material properties, mineral resources, and geologic hazards. In addition, the report contains new information and interpretations about the regional geologic history and framework. However, the scale of this report does not provide sufficient detail for site development purposes. For example, landslides in the database are generalized and many smaller slope failures are not shown.

    Supplemental_Information: Procedures_Used: The databases in this report were compiled in ARC/INFO, a commercial Geographic Information System (Environmental Systems Research Institute, Redlands, California, with version 3.0 of the menu interface ALACARTE (Fitzgibbon and Wentworth, 1991, Fitzgibbon, 1991, Wentworth and Fitzgibbon, 1991). The files are in either GRID (ARC/INFO raster data) format or COVERAGE (ARC/INFO vector data) format. Coverages are stored in uncompressed ARC export format (ARC/INFO version 8.0.2). ARC/INFO export files (files with the .e00 extension) can be converted into ARC/INFO coverages in ARC/INFO (see below) and can be read by some other Geographic Information Systems, such as MapInfo via ArcLink and ESRI's ArcView (version 1.0 for Windows 3.1 to 3.11 is available for free from ESRI's web site: http://www.esri.com). The digital compilation was done in version 8.0.2 of ARC/INFO with version 3.0 of the menu interface ALACARTE (Fitzgibbon and Wentworth, 1991, Fitzgibbon, 1991, Wentworth and Fitzgibbon, 1991). The geologic map information was digitized from stable originals of the geologic maps at 1:24,000 scale. The author manuscripts (pen on mylar and pen on paper) were scanned using a Ideal rasterizing color scanner with a resolution of 600

and 400 dots per inch. The scanned images were vectorized and transformed from scanner coordinates to projection coordinates with digital tics placed by hand at quadrangle corners. The scanned lines were edited interactively by hand using ALACARTE, color boundaries were tagged as appropriate, and scanning artifacts visible at 1:24,000 were removed.

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    Time_Period_Information:
      Single_Date/Time:
        Calendar_Date: 2001
    Currentness_Reference: publication date
  Status:
    Progress: Pre-Publication
    Maintenance_and_Update_Frequency: As needed
  Spatial_Domain:
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      West_Bounding_Coordinate: -126.438942
      East_Bounding_Coordinate: -126.403744
      North_Bounding_Coordinate: 42.004158
      South_Bounding_Coordinate: 41.963226
  Keywords:
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      Theme_Keyword: surficial geology
      Theme_Keyword: geologic history
      Theme_Keyword: geologic structures
      Theme_Keyword: fault offset
      Theme_Keyword: Oregon Coast Range
      Theme_Keyword: Klamath Mountains
      Theme_Keyword: Tyee basin
      Theme_Keyword: melange
      Theme_Keyword: Dixonville, Oregon
      Theme_Keyword: Dothan Formation
      Theme_Keyword: accretionary complex
      Theme_Keyword: Rogue arc complex
      Theme_Keyword: Siletz River Volcanics
      Theme_Keyword: Umpqua Group
      Theme_Keyword: White Tail Ridge Formation
      Theme_Keyword: Dodson Butte Thrust
      Theme_Keyword: Cataclastic deformation
      Theme_Keyword: Cooper Creek fault
      Theme_Keyword: Ultramafic rocks
      Theme_Keyword: schistose
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      Theme_Keyword: paleomagnetic data
      Theme_Keyword: Tenmile Formation
    Place:
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      Place_Keyword: Dixonville, Oregon
    Stratum:
      Stratum_Keyword_Thesaurus: none
  Access_Constraints: none
  Use_Constraints: Uses of this digital geologic map should not violate the
spatial resolution of the data. Although the digital form of the data removes
the constraint imposed by the scale of a paper map, the detail and accuracy
inherent in map scale are also present in the digital data. The fact that this
```

database was edited for a scale of 1:24,000 means that higher resolution information is not present in the dataset. Plotting at scales larger than 1:24,000 will not yield greater real detail, although it may reveal fine-scale irregularities below the intended resolution of the database. Similarly, where this database is used in combination with other data of higher resolution, the resolution of the combined output will be limited by the lower resolution of these data.

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  Point_of_Contact:
    Contact_Information:
      Contact_Organization_Primary:
        Contact_Organization: U.S. Geological Survey
        Contact_Person: Database Coordinator
      Contact_Address:
        Address_Type: mailing address
        Address: 345 Middlefield Rd.  MS-975
        City: Menlo Park
        State_or_Province: CA
        Postal_Code: 94025
        Country: USA
     Contact_Voice_Telephone: 650-329-4935
     Contact_Electronic_Mail_Address: kwheeler@usgs.gov
  Browse_Graphic:
    Browse_Graphic_File_Name: dix.pdf
    Browse_Graphic_File_Description: A PDF representation of the geologic map
at a scale of 1:24,000 and list of map units.  3.76 mb.
    Browse_Graphic_File_Type: PDF
   Browse_Graphic:
    Browse_Graphic_File_Name: geol.pdf
    Browse_Graphic_File_Description: A PDF representation of the explanatory
geology and database pamphlet.  152 kb.
    Browse_Graphic_File_Type: PDF
  Browse_Graphic:
    Browse_Graphic_File_Name: readme.pdf
    Browse_Graphic_File_Description: A PDF representation of the database
description or readme pamphlet.  209 kb.
    Browse_Graphic_File_Type: PDF
   Data_Set_Credit: A.S. Jayko and R.E. Wells
   Security_Information:
    Security_Classification_System: None
    Security_Classification: Unclassified
    Security_Handling_Description: None
  Native_Data_Set_Environment: UNIX Sun Solaris; ESRI ArcInfo 8.0.2
 Data_Quality_Information:
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      Source_Information:
        Source_Citation:
          Citation_Information:
            Originator: Jayko, A.S.
            Title: Reconnaissance geologic map of the southern half of the
             Dixonville 7.5 minute quadrangle, Or. unpublished field sheet
            Publication_Date: 2001 (this report)
            Series_Information:
              Series_Name:
              Issue_Identification:
        Source_Scale_Denominator: 24000
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        Source_Time_Period_of_Content:
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              Calendar_Date: 2001
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        Source_Citation_Abbreviation: Jayko(1992-1993)
        Source_Contribution: Dixonville quadrangle
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        Source_Citation:
          Citation_Information:
            Originator: Wells, R.E.
            Title: Reconnaissance Geologic Map of the northern half of the
             Dixonvillle 7.5 minute quadrangle,Or.  unpublished field sheet
            Publication_Date: 2001(this report)
            Series_Information:
              Series_Name:
              Issue_Identification:
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        Source_Contribution: Dixonville quadrangle
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            Originator: Champ, J. G.
            Title: Geology of the northern part of the Dixonville quadrangle,
             Oregon
            Publication_Date: 1969
            Series_Information:
              Series_Name: University of Oregon, Eugene [M.Sc.]
              Issue_Identification:
        Source_Scale_Denominator: 24000
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        Source_Time_Period_of_Content:
          Time_Period_Information:
            Single_Date/Time:
              Calendar_Date: 1969
          Source_Currentness_Reference: publication date
        Source_Citation_Abbreviation: Champ (1969)
        Source_Contribution: Dixonville quadrangle
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      Source_Information:
        Source_Citation:
          Citation_Information:
            Originator: Hixson, H. C.,
            Title: Geology of the southwest quarter of the Dixonville
quadrangle, Oregon
            Publication_Date: 1965
            Series_Information:
              Series_Name: University of Oregon, Eugene [M.Sc.],
Issue_Identification:
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          Source_Currentness_Reference: publication date
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        Source_Citation:
          Citation_Information:
            Originator: Seeley, W. O.
            Title: Geology of the southeastern Dixonville quadrangle, Oregon
            Publication_Date: 1974
            Series_Information:
              Series_Name: University of Oregon, Eugene [M.Sc.]
              Issue_Identification:
        Source_Scale_Denominator: 24000
        Type_of_Source_Media: paper
        Source_Time_Period_of_Content:
          Time_Period_Information:
            Single_Date/Time:
              Calendar_Date: 1974
          Source_Currentness_Reference: publication date
        Source_Citation_Abbreviation: Seeley (1974)
        Source_Contribution: Dixonville quadrangle

Process_Step:
        Process_Description:
          The databases in this report were compiled in ARC/INFO, a
          commercial Geographic Information System (Environmental Systems
          Research Institute, Redlands, California, with version 3.0 of the
          menu interface ALACARTE (Fitzgibbon and Wentworth, 1991,
          Fitzgibbon, 1991, Wentworth and Fitzgibbon, 1991).  The files are
          in either GRID (ARC/INFO raster data) format or COVERAGE (ARC/
          INFO vector data) format.  Coverages are stored in uncompressed
          ARC export format (ARC/INFO version 8.0.2).  ARC/INFO export
          files (files with the .e00 extension) can be converted into ARC/
          INFO coverages in ARC/INFO (see below) and can be read by some
          other Geographic Information Systems, such as MapInfo via ArcLink
          and ESRI's ArcView (version 1.0 for Windows 3.1 to 3.11 is
          available for free from ESRI's web site:  http://www.esri.com).
          The digital compilation was done in version 8.0.2 of ARC/INFO
          with version 3.0 of the menu interface ALACARTE (Fitzgibbon and
          Wentworth, 1991, Fitzgibbon, 1991, Wentworth and Fitzgibbon,
          1991).  The geologic map information was digitized from stable
          originals of the geologic maps at 1:24,000 scale.  The author
          manuscripts (pen on mylar and pen on paper) were scanned using a
          Ideal rasterizing color scanner with a resolution of 600 and 400
          dots per inch.  The scanned images were vectorized and
          transformed from scanner coordinates to projection coordinates
          with digital tics placed by hand at quadrangle corners.  The
          scanned lines were edited interactively by hand using ALACARTE,
          color boundaries were tagged as appropriate, and scanning
          artifacts visible at 1:24,000 were removed.
```

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        Process_Date: 1990 - 2001
Spatial_Data_Organization_Information:
  Direct_Spatial_Reference_Method: Vector
  Point_and_Vector_Object_Information:
    SDTS_Terms_Description:
      SDTS_Point_and_Vector_Object_Type: Complete chain
      Point_and_Vector_Object_Count: 611
    SDTS_Terms_Description:
      SDTS_Point_and_Vector_Object_Type: Entity point
      Point_and_Vector_Object_Count: 252
    SDTS_Terms_Description:
      SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains
      Point_and_Vector_Object_Count: 252
    SDTS_Terms_Description:
      SDTS_Point_and_Vector_Object_Type: Point
      Point_and_Vector_Object_Count: 16
Spatial_Reference_Information:
  Horizontal coordinate system Projected coordinate system name:
      PCS_Transverse_Mercator Geographic coordinate system name:
      GCS_North_American_1927
       Map Projection Name: Transverse Mercator
         Scale Factor at Central Meridian: 0.999600
         Longitude of Central Meridian   : -123.000000
          False Easting: 500000.000000
          False Northing: 0.000000
   Planar Coordinate Information
     Coordinate Encoding Method: coordinate pair
     Coordinate Representation
       Abscissa Resolution: 0.000032
       Ordinate Resolution: 0.000032
     Planar Distance Units: meters
Geodetic Model
  Horizontal Datum Name: North American Datum of 1927
  Ellipsoid Name: Clarke 1866
  Semi-major Axis: 6378206.400000
  Denominator of Flattening Ratio: 294.978698 _____________________

Entity_and_Attribute_Information:
   Overview_Description:
      Entity_and_Attribute_Overview:
        Because these data were created in Arc/Info, polygons are
        described by tables fitting the pattern cover.pat (here and
        after, "cover" refers to the name of the Arc/Info coverage).
        These contain the general attributes AREA, PERIMETER, cover#,
        and cover-ID.  Likewise, lines are described by tables named
        cover.aat, and contain topological as well as general attributes
        FNODE#, TNODE#, LPOLY#, RPOLY#, LENGTH, cover#, and cover-ID.

        Because these data were created using Alacarte, the feature
        attribute tables also include the attributes LTYPE for lines
        and PTYPE for points and polygons, as well as SEL, which is
        used internally by Alacarte to mark features that are selected,
        and SYMB, which is used internally by Alacarte to symbolize
        the features for display.  Additional attributes that contain
        scientific information may also be present, and are described
        in detail here.
```

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      Entity_and_Attribute_Detail_Citation: http://geopubs.wr.usgs.gov/open-
file/of01-226/geol.pdf
    Detailed_Description:
      Entity_Type:
        Entity_Type_Label: dix_geo.pat
        Entity_Type_Definition: Geologic units
      Attribute:
        Attribute_Label: PTYPE
        Attribute_Definition: Geologic unit label
        Attribute_Domain_Values:
          Enumerated_Domain:
            Enumerated_Domain_Value: Qls
            Enumerated_Domain_Value_Definition: Landslide deposits (Holocene
and Pleistocene?)
          Enumerated_Domain:
            Enumerated_Domain_Value: Qal
            Enumerated_Domain_Value_Definition: Alluvial deposits (Holocene and
Pleistocene?)
          Enumerated_Domain:
            Enumerated_Domain_Value: Qfl
            Enumerated_Domain_Value_Definition: Fluvial deposits (Holocene and
Pleistocene?)
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            Enumerated_Domain_Value: Tdi
            Enumerated_Domain_Value_Definition: Tertiary intrusive (Oligocene?)
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            Enumerated_Domain_Value: Twt
            Enumerated_Domain_Value_Definition: White Tail Ridge Formation
(Lower Eocene)
          Enumerated_Domain:
            Enumerated_Domain_Value: Tm
            Enumerated_Domain_Value_Definition: Tenmile Formation undivided
(Lower Eocene)
          Enumerated_Domain:
            Enumerated_Domain_Value: Tbr
            Enumerated_Domain_Value_Definition: Bushnell Rock Formation (Lower
Eocene)
          Enumerated_Domain:
            Enumerated_Domain_Value: Tsc
            Enumerated_Domain_Value_Definition: Slater Creek Member (Lower
Eocene)
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            Enumerated_Domain_Value: Tbrm
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Eocene)
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Eocene and upper Paleocene)
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            Enumerated_Domain_Value_Definition: Intrusive rocks (Jurassic
and/or Cretaceous)
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Cretaceous?)
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(Upper Jurassic and Lower Cretaceous)
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Jurassic)--
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Jurassic?)
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(Jurassic?)
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(Upper Jurassic)
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(Upper Jurassic?)
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(Upper Jurassic?)
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  Detailed_Description:
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      Attribute_Domain_Values:
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        Enumerated_Domain:
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                    Enumerated_Domain_Value: contact, inferred
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            Enumerated_Domain:
              Enumerated_Domain_Value: crumpled foliation
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              Enumerated_Domain_Value: lineation
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              Enumerated_Domain_Value: ot bedding
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```
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          Enumerated_Domain:
            Enumerated_Domain_Value: zfold
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        Attribute_Label: DIP
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        Attribute_Label: STRIKE
      Attribute:
        Attribute_Label: $ID
      Attribute:
        Attribute_Label: $POLYGONID
      Attribute:
        Attribute_Label: $SCALE
      Attribute:
        Attribute_Label: $ANGLE
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        Entity_Type_Label: dix_stx.aat
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            Enumerated_Domain_Value:  f.a., anticline, certain
          Enumerated_Domain:
            Enumerated_Domain_Value:  f.a., anticline, certain, plunge
          Enumerated_Domain:
            Enumerated_Domain_Value: f.a., syncline, certain
          Enumerated_Domain:
            Enumerated_Domain_Value: f.a., syncline, certainm
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            Enumerated_Domain_Value: f.a., cross section
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        Attribute_Label: LTYPE
        Attribute_Definition: Type of linear geologic feature
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Distribution_Information:
    Distributor:
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          Contact_Organization: USGS Western Publications Group
        Contact_Address:
          Address_Type: mailing and physical address
          Address: 345 Middlefield Road, Mail Stop 951
          City: Menlo Park
          State_or_Province: CA
          Postal_Code: 94025
          Country: US
        Contact_Voice_Telephone: 650-329-5057
    Resource_Description: USGS Open-File Report 01-226
    Distribution_Liability:
      This report is preliminary and has not been reviewed for conformity
      with U.S. Geological Survey editorial standards or with the North
      American Stratigraphic Code. Any use of trade, firm, or product names
      is for descriptive purposes only and does not imply endorsement by the
      U.S. Government.
    Standard_Order_Process:
      Digital_Form:
                          Digital_Transfer_Information:
          Format_Name: Arc/Info export
          Format_Version_Number: 8.0.2
          File_Decompression_Technique: gzip -d and tar -xvf
          Format_Information_Content: Exported coverages dix_geo, dix_stx, and
dix_ann and supporting files
          Transfer_Size: ???? megabytes
        Digital_Transfer_Option:
          Online_Option:
            Computer_Contact_Information:
              Network_Address:
                Network_Resource_Name:
                  http://geopubs.wr.usgs.gov/open-file/of01-226/md.tar.gz
      Fees: none
  Metadata_Reference_Information:
    Metadata_Date: 20010202
    Metadata_Review_Date:
    Metadata_Contact:
      Contact_Information:
        Contact_Person_Primary:
          Contact_Person: Karen L. Wheeler
          Contact_Organization: U.S. Geological Survey
        Contact_Position: Geologist/GIS
        Contact_Address:
          Address_Type: mailing and physical address
          Address:
            U.S. Geological Survey
            Western Earth Surface Processes Team
            345 Middlefield Road, Mail Stop 975
          City: Menlo Park
          State_or_Province: CA
          Postal_Code: 94025
          Country: USA
        Contact_Voice_Telephone: 650-329-4935
        Contact_Facsimile_Telephone: 650-329-4936
        Contact_Electronic_Mail_Address: kwheeler@usgs.gov
    Metadata_Standard_Name: Content Standard for Digital Geospatial Metadata
    Metadata_Standard_Version: FGDC-STD-001-1998
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